

**SAYBOLT INC.**

NORTH JERSEY OFFICE

SAYBOLT



VESSEL: T/B MAINE  
LABORATORY NO.: 0602656

CUSTOMER  
REF. NO(S):

**LABORATORY ANALYSIS REPORT**

DATE: 6/10/02  
INVOICE NO: EB-42543A

**DESCRIPTION**

- Sample designated as:  
#6 FUEL OIL
- Identifying Marks:  
SHORE TANK 15  
SPRAGUE ENERGY  
RENSSELAER, NY  
6/11/02
- Submitted by:  
SAYBOLT INSPECTOR
- Client:  
SPRAGUE ENERGY

SAMPLES SHALL BE RETAINED BY SAYBOLT INC. FOR FORTY-FIVE (45) DAYS UNLESS OTHERWISE REQUESTED IN WRITING.

**NOTES**

- This laboratory report may not be published or used except in full. It shall not be used in connection with any form of advertising unless written consent is received from an officer of Saybolt Inc.
- Results were based on analysis made at the time samples were received at the laboratory.
- Sample nomenclature is designated by the customer.

**ANALYSIS**

TEST	METHOD	RESULT
GRAVITY, API AT 60 F	D-1298	13.7
FLASH PT., PENSKY MARTENS, DEG F	D-93 (B)	192
ASH, WT PCT	D-482	0.0619
POUR POINT, DEG C/DEG F	D-97	-6 / 21 F
SULFUR, X-RAY, WT PCT	D-4294	2.05
VISCOSITY, KIN CST AT 122.0 F	D-445	469.2
VISCOSITY, SSF SEC AT 122.0 F	D-445	221
WATER & SEDIMENT (BS&W), VOL PCT	D-1796	0.10
WATER BY DISTILLATION, VOL PCT	D-95	0.10
SEDIMENT BY EXTRACTION, WT PCT	D-473	0.036
CARBON RESIDUE, CONRADSON, WT PCT	D-189	14.3
NITROGEN, WT PCT	D-5762	0.539
B.T.U. VALUE (GROSS), BTU/LB	D-240	18426
B.T.U. VALUE (GROSS), BTU/GAL	D-240	149545
ASPHALTENES, WT PCT	IP-143	7.7
SODIUM, PPM	SOL/DIL	17.0

THE ATTACHED CERTIFICATE REPRESENTS THE PRODUCT INSPECTED BY THE INSPECTION SERVICE ON THE DATE STATED ON THE CERTIFICATE IN THE TANK STATED BY THE INSPECTION SERVICE. SPRAGUE REPRESENTS THAT ANY PRODUCT IT MAY SELL AT THE RACK MAY DIFFER FROM SUCH INSPECTION CERTIFICATE BUT SUCH PRODUCT SHALL MEET THE SPECIFICATIONS AS MAY BE REQUIRED BY ANY APPLICABLE REGULATIONS WITHIN THE STATE THAT THE PRODUCT IS SOLD.

MEMBERS ASTM-API-SAE

This report is issued solely for the use of our customers and applies only to the information specifically requested. There may be other relevant information which has not been reported. Saybolt Inc. will not be responsible to third parties for the contents of this report or for any omission therefrom.

## LABORATORY WORKSHEET

## OIL SLATE

PRODUCT : # 6 FUEL OIL  
MARKED : SHORE TANK# 15 AFTER DISCHARGE  
LOCATION : RENSSELAER, NEW YORK

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\*LAB NUMBER: 0402-108  
\*LAB DATE: 04/03/02 \*  
\*\*\*\*\*  
JOB NO: EB-42316  
SAMPLING DATE: 04/02/02

TERMINAL : SPRAGUE ENERGY

PAGE 1

CUSTOMER SPECS:

TEST ID / TEST DESCRIPTION	[ASTM]	[BY]	[RESULTS]
00125 GRAVITY, API AT 60 F	D-1298	MM	10.7
00118 FLASH PT., PENSKY MARTENS, DEG F	D-93 (B)	MM	160
00031 ASH, WT PCT	D-482	SD	0.055
00194 POUR POINT, DEG C/DEG F	D-97	SD	0 / 32 F
00237 SULFUR, X-RAY, WT PCT	D-4294	SD	1.79
00260 VISCOSITY, KIN CST AT 122.0 F	D-445	SD	610.8
00264 VISCOSITY, SSF SEC AT 122.0 F	D-445	SD	288
00267 WATER & SEDIMENT (BS&W), VOL PCT	D-1796	SD	0.20
00045 CARBON RESIDUE, CONRADSON, WT PCT	D-189	SD	13.2
00160 NITROGEN, WT PCT	D-5762	MM	0.544
00034 B.T.U. VALUE (GROSS), BTU/LB	D-240	JS	18171
00035 B.T.U. VALUE (GROSS), BTU/GAL	D-240	JS	150583
00032 ASPHALTENES, WT PCT	IP-143	SD	10.4
00209 SODIUM, PPM	SOL/DIL	SD	8.8
00210 VANADIUM, PPM	SOL/DIL	SD	160